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Sulfamic Acid

CAS NO.: 5329-14-6

Molecular Formula: NH₂SO₃H

Molecular weight: 97.09

Characteristics: white orthorhombic crystal. Nonvolatile, non-hygroscopic, smell-less. High stability at normal temperature and can maintain original quality for several year. Freely soluble in water and liquid ammonia, strongly acidic in water solution. Slightly soluble in methanol, insoluble in ethanol and ether. Characteristics of double functional group of amidogen and sulphonic radical, may go on chemical reaction with many matters. Melting point 205°C, decomposing temperature 209°C.

Use: Metal parts cleaning, getting away oxidize surface. Slightly corrosive to metal, used to flush boiler, and sterilize bacterium in water. Bleach fibre, wood and paper.

Remove nitrite in tobacco. Raw material for paint, dye stuff and PH test paper. Used as fire resistance of cotton fibre. Used as solidifying agent of resin. Raw material for pesticide intermediate, ramification of sulfamic acid.

Packaging, Storage and Transportation : Knitting bags with plastic liners, 25kg per bag, 500kg, 1000kg. Stored in dry and clean place. Protection from sunshine, rain, moisture and a acute.

Technological index 99.8%

NAME OF INDEX	INDEX
SULFAMIC ACID ≥ %	99.80
SULPHATE (SO ₄) ≤ %	0.02
INSOLUBLE IN WATER ≤ %	0.01
IRON(Fe) ≤ %	0.001
HEAVY METALS(Pb) ≤ %	0.0003
CHLORIDE (CL) ≤ %	0.002
MOISTURE CONTENT ≤ %	0.03
COLOR	White
PRODUCT FORM	Crystal
GRADE OF PRODUCT	Technical grade